FIGURE 1

FIGURE 2

N

(J1 |,=4

l.fi

**:-**≟

Figure 4: Major Components of the Instant Replay SubSystem

Video Stream in Display Order Figure 3A  $B_{10}$  $B_{11}$  $P_{i2}$ B<sub>8</sub> Į,  $B_1$ B<sub>2</sub> B Bs  $P_6$ TmRef=3 TmRcf≠ TmRef=8 TmRef=0 TmRef=6 TmRef=7 TmRef=5 TmRef≈4 future time past time start of new GOP Video Stream in Compressed Order Figure 3B  $P_{12}$  $B_{10}$  $B_{ii}$ B<sub>7</sub> В  $B_4$  $B_{i}$  $B_2$ TmRef=7 TmRcf=3 TmRef=2 TmRef=0 TmRef=2 TmRcf=6 TmRef=3 TmRef=1 end of old GOP start of new GOP future time past time

Figures 3A and 3B: Compressed and Displayed Order

The party of the p

 Figure 5